VERSION IT
Since 2001

24th ANNIVERSARY

GCP CLOUD DATA ENGINEER

Best Training And Placement Institute

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www.versionit.co.in

About Version IT

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Version IT is not a mere software training institute, a team of IT professionals developed it as the best knowledge centre for hundreds of career-building conscious young people. Our training academy is the best training institute in Hyderabad offering various software courses with aptly placement orientation. We proudly announce that we achieved 100% placements in every batch we have taken up in the past two decades. Version IT Academy's strength is our academic excellence with which we have been placed in the top position among the software training institute in Hyderabad.

Corporate Training

Class Room Training

Online Training

Why Choose Us!

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Training By Certified Instuctors

Mock Interviews

Weekly Assignments

Project Training

Interview Cracking tips

Resume Preparation

GCP Data Engineering with GCP Data Analytics

- Introduction to Cloud Computing
- Roles and Responsibilities of Cloud Data Engineer
- Overview of Cloud Platforms
- Overview of Google Cloud Platform
- Overview of Analytics Services on GCP
- Setup GCP for individual Account
- Overview of GCP Project & GCP Credits & Billing
- How to access GCP services with Google Cloud Shell
- How to access GCP services with Google Cloud SDK

Google Big Query [DWH Setup]

- Introduction to Google BigQuery
- Overview of CRUD Operations in Google BigQuery
- Merge/Upsert operations into Google BigQuery Tables
- DB operations in Google BigQuery using Ul
- Create Table in Google BigQuery using Command
- Overview of Loading Data from Files into BigQuery Tables
- Execution Plan of BigQuery
- Partitioned tables in Bigquery
- Clusterd tables in Bigquery
- Google BigQuery External Tables
- External Queries/External Connections on Google BigQuery
- Integration between Google BigQuery and Python
- SQL operations in Google BigQuery [Basics to Advanced]
- Pandas Integration with Google BigQuery
- Postgres DB integrations with BigQuery
- Views & Materialized Views

Google Cloud Storage [GCS] (Datalake Setup)

- Introduction to Google Cloud Storage
- Create/Delete/Upload Buckets, Folders, Files using GCS Web UI
- Create/Delete/Upload Buckets, Folders, Files using gsutil commands
- Create/Delete/Upload Buckets, Folders, Files using Python
- Setup Google Cloud Libraries in Python Virtual Environment
- Handling multiple files in GCS using Python
- Data Processing in GCS using Pandas
- Data conversions and Write to GCS using Pandas
- Validate Files in GCS using Python & gsutil & Pandas

GCP Cloud SQL [Postgress DB Setup]

- Introduction to GCP Cloud SQL
- Setup Postgres DB using GCP Cloud SQL
- DB operations in GCP Cloud SQL with Postgress
- Integration of GCP Cloud SQL Postgres with Python
- Integration of GCP Cloud SQL Postgres with Pandas

GCP Dataproc [Bigdataprocessing]

- Introduction to GCP Dataproc
- Setup Dataproc Cluster for Development
- Overview of HDFS Commands & gsutil on Dataproc
- Handling Local Files in HDFS on Dataproc
- Handling GCS Files in HDFS on Dataproc
- CLI connectivity in Dataproc Cluster using Pyspark/Spark Scala/Spark SQL
- ETL Datapipeline creation using GCP Dataproc
- GCP Dataproc Jobs using Spark SQL & Scripts
- GCP Dataproc Workflow
- Dataproc Jobs/Workflows handling with gcloud Commands
- Run and Validate ELT Data Pipeline using Dataproc

Databricks on GCP [Bigdata Processing]

- Introduction to Databicks on GCP
- Setup Databricks on GCP
- Databricks Architecture
- Setup Databricks CLI and run Commands

- Data Operations in DBFS using Databricks Spark SQL
- Build ELT Pipeline using Databricks Job in Workflows
- Databricks Workflows
- Create and Run Orchestrated
- Pipeline using Databricks Job
- Review Execution details of ELT Data Pipeline using Databricks Job

Google Cloud Composer [Data Pipeline Orchestration]

- Introduction to Google Cloud Composer
- Setup Airflow or Cloud Composer Environment
- Overview of Airflow Architecture
- Airflow DAGs for Cloud Composer
- Deploy and Run First Airflow DAG in Google Cloud Composer
- Run Airflow Commands in Cloud Composer using gcloud
- Integration of GCP Dataproc Workflow using Airflow
- Deploy and Run GCP Dataproc Workflow using Airflow
- Deploy and Run Airflow DAGs with Variables
- Deploy Data Pipeline or Airflow DAG using Dataproc Jobs
- Deploy and Run Airflow DAG with Dataproc Jobs

SPark on Google Dataproc and BigQuery

- Review Spark Google BigQuery Connector
- Spark on Dataproc and BigQuery using Pyspark CLI
- Spark on Dataproc and BigQuery using Notebook
- Spark Application Code to Write to BigQuery Table
- Spark Application sybmit with BigQuery Integration using Client Mode
- Spark Application sybmit with BigQuery Integration using Cluster Mode
- Spark Application deployment with BigQuery Integration in GCS
- Run Spark Application as Dataproc Job using Web Ul
- Run Spark Application as Dataproc Job by using Commands
- Review Dataproc Jobs and Spark Application using Dataproc Ul

Google BigTable

- Introduction to Google BigTable
- Integration between Pyspark and Bigtable

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cognizant	CGI	Capgemini	NTT DATA	wipro
yatra	Deloitte.	EMERSON	IGT	Qualcomm
glance	Ford	EXL	Cigniti Software Quality Assured	zeta
goibibo.com	HCL	HDFC BANK We understand your world	ARTECH INTELLIGENCE IS HUMAN	Caliber Deliver More. Deliver Excellence
Myntra	Infosys	IBM	aprovesign	DQ Labs
Paytm	syngenta	Tech Mahindra	aspire SYSTEMS	FedEx
Convertcart	(expleo)	AllCloud	Sotiotech	ARTECH INTELLIGENCE IS HUMAN
MAXCOM	MENLO TECHNOLOGIES	QUALIZEAL	aspire SYSTEMS	FOCUS INFOTECH
XIUS	voltus BETTER ENERGY · MORE CASH	ValueLabs	VALUE MOMENTUM	AllCloud

Our Other Courses

Development Technologies

Java Full stack

Python Full stack

.Net Full stack

MERN

MEAN

React

Cloud Technologies

aws

Azure

GCP

Dev Ops

Salesforce

servicenow
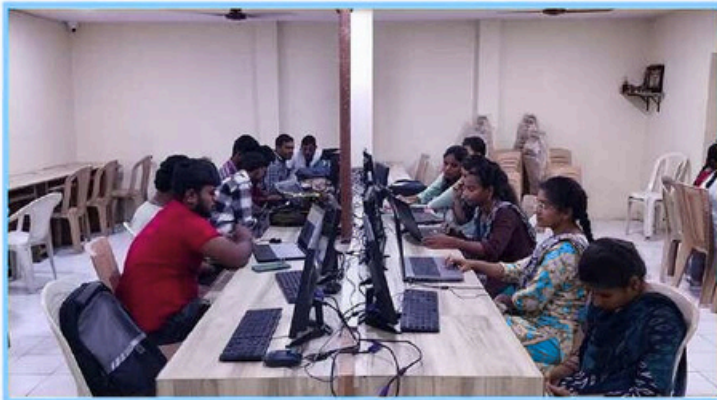
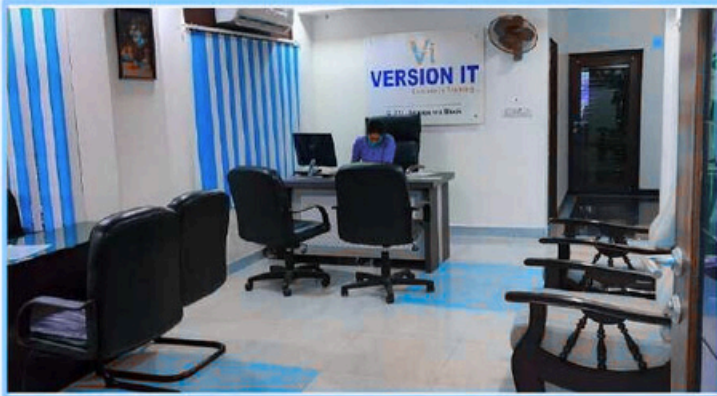## Triending Technologies

Data Science

Data Analytics

Cyber Security

Azure Data Engineer

Aws Data Engineer

GCP Data Engineer

Our Infrastructure

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Our Branches

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